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ABSTRACT

Disclosed are a piezoelectric actuator with reinforced bending mode to suppress bending resonance caused by extension/contraction movements of the piezoelectric actuator and a disk drive using the same. A flexible substrate is separated by a slit. The first piezoelectric element unit and the second piezoelectric element unit, both show extension/contraction displacement, are disposed on one of the slit-separated flexible substrates respectively. A coupling portion is provided to couple said separated flexible substrates across the slit, wherein the coupling portion is provided at a position corresponding to an antinode of primary bending mode of the first and second piezoelectric element units being fixed in respective both ends.